

Comparisons of Job Characteristics

Focus Occupation: Cement Masons and Concrete Finishers (47-2051)

Associated Occupation: Construction Laborers (47-2061)

[Compare Knowledge](#)

[Compare Skills](#)

[Compare Abilities](#)

[Compare Detailed Work Activities](#)

[Compare Tools and Technologies](#)

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

Knowledge

Similarity of Focus Occupation to Associated Occupation: 92

Focus Occupation: Cement Masons and Concrete Finishers (47-2051)

Associated Occupation: Construction Laborers (47-2061)

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Building and Construction	4.0	16.8	15.0	<	Expanded education and/or training may be required
Mechanical	6.8	11.2	11.0	0	Current knowledge level may be sufficient
Design	5.2	10.7	9.9	0	Current knowledge level may be sufficient
Public Safety and Security	6.9	10.6	8.9	<	Expanded education and/or training may be required
Transportation	4.6	8.0	5.3	<<	Extensive education and/or training may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Skills

Similarity of Focus Occupation to Associated Occupation: 66

Focus Occupation: Cement Masons and Concrete Finishers (47-2051)

Associated Occupation: Construction Laborers (47-2061)

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Operation and Control	5.4	8.1	7.3	<	A higher skill level may be required
Equipment Selection	3.3	5.3	3.8	<<	Extensive development of skills in this area may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Abilities

Similarity of Focus Occupation to Associated Occupation: 81

Focus Occupation: Cement Masons and Concrete Finishers (47-2051)**Associated Occupation: Construction Laborers (47-2061)**

Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Static Strength	5.0	11.6	10.2	<	Some improvement in abilities may be required
Manual Dexterity	6.5	11.2	11.4	0	Current ability level may be sufficient
Multilimb Coordination	6.0	10.6	10.0	0	Current ability level may be sufficient
Trunk Strength	5.7	10.3	12.6	>	Current ability level is likely sufficient
Stamina	4.0	8.6	8.9	0	Current ability level may be sufficient
Dynamic Strength	3.5	7.0	8.2	>	Current ability level is likely sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Activities that Both Occupations Have in Common

Similarity of Focus Occupation to Associated Occupation: 94

Focus Occupation: Cement Masons and Concrete Finishers (47-2051)**Associated Occupation: Construction Laborers (47-2061)**

Work Activities	Exclusivity of Activity
Adhere to safety procedures	12
Apply adhesives, caulking, sealants, or coatings	45
Apply cleaning solvents	41
Apply plaster, stucco or related material	80
Build or repair structures in construction, repair, or manufacturing setting	54
Climb ladders, scaffolding, or utility or telephone poles	56
Erect scaffold	56
Fabricate, assemble, or disassemble manufactured products by hand	11
Finish concrete surfaces	82
Install prefabricated building components	74
Mix mortar, grout, slurry, concrete, or related masonry material	80
Mix paint, ingredients, or chemicals, according to specifications	35
Move or fit heavy objects	8
Operate jackhammer	87
Operate power construction equipment	84
Perform safety inspections in construction or resource extraction setting	46
Prepare site or surfaces for concrete or masonry work	76
Read tape measure	41
Signal directions or warnings to coworkers	42
Understand construction specifications	53
Use basic carpentry techniques	62
Use concrete fabrication techniques	74
Use hand or power tools	2
Use measuring devices in construction or extraction work	41

Use surfacing machine to polish terrazzo or concrete	95
Verify levelness or verticality, using level or plumb bob	72

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Tools and Technologies that Both Occupations Have in Common

Similarity of Focus
Occupation to Associated
Occupation: 83

Focus Occupation: Cement Masons and Concrete Finishers (47-2051)

Associated Occupation: Construction Laborers (47-2061)

Tools and Technologies	Exclusivity
Building construction machinery and accessories	25
Cementing equipment	80
Cleaning equipment	11
Cutting and crimping and punching tools	3
Dispensing tools	6
Earth moving machinery	11
Forming tools	2
Garden tools	12
Heavy equipment components	21
Holding and clamping tools	3
Industrial trucks	10
Ladders and scaffolding	6
Length and thickness and distance measuring instruments	2
Lifting equipment and accessories	3
Machine tools	7
Masonry and concrete tools	22
Measuring and layout tools	3
Paint applicators and painting accessories	15
Paving equipment	35
Pneumatic tools	8
Power generators	16
Power tools	2
Prying and bending tools	10
Pumps	9
Respiratory protection	6
Rough and finishing tools	5
Tool attachments and accessories	12
Wrenches and drivers	2

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.